

IN THE CLAIMS

Claims 86-131 have been added. For the Examiner's convenience, presented below are all pending claims in a clean, unmarked format. Those that are unchanged are prefixed with "(Unchanged)". Those that are new are prefixed with "(New)".

39. (Unchanged) A computer based library and information delivery system for generating and maintaining a plurality of digital information files for delivery over a public network, said library and information delivery system comprising:

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an authoring system including programming logic for receiving raw digitized data, logic for transforming said raw digitized data into said plurality of digital information files, and logic for generating information indicative of various characteristics of content of said digital information files; and

a library server coupled to said authoring system including logic for maintaining said plurality of digital information files, logic for maintaining a correspondence between said plurality of digital information files and information indicative of a player ID, and logic for encrypting said plurality of digital information files using information indicative of a player ID, said digital information files including said information indicative of various characteristics of content of said digital information files and authorized for access by a user having a corresponding player ID.

40. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein said plurality of digital information files includes audio files, spoken audio

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files, visual image files, text files, video files, multimedia files, programming code files, configuration information files, or any combination thereof.

41. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein logic for transforming said raw digitized data into said plurality of digital information files further includes logic for compressing, scrambling, and segmenting said digital information files.

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42. (Unchanged) The computer based library and information delivery system as claimed in Claim 41 wherein said logic for scrambling said digital information files further includes logic for generating a descrambling map for descrambling said scrambled digital information files.

43. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein said logic for maintaining said plurality of digital information files further includes logic for incorporating said information indicative of various characteristics of content of said digital information files and portions of content of said digital information files into said digital information files.

44. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein said logic for maintaining said plurality of digital information files further includes logic for receiving requests for access to said digital information files and portions of content of said digital information files and logic for authorizing access to and managing delivery

of said digital information files and portions of content of said digital information files in response to said requests for access.

45. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein logic for maintaining said plurality of digital information files further includes logic for collecting and storing usage statistics based on access history of said digital information files.

46. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 further including an authorization server coupled to said library server for authorizing access to said plurality of digital information files.

47. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein said library server is a software process running on several computer systems.

48. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein said library server and said authoring system run on different computer systems.

49. (Unchanged) The computer based library and information delivery system as claimed in Claim 46 wherein said library server and said authorization server run on different computer systems.

50. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein said digital information files are targeted using a player group ID.

51. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 further including authentication logic for authenticating access to said library server, said authentication logic including logic for performing a point-to-point authentication protocol.

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52. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 further including authentication logic for authenticating access to said library server, said authentication logic including logic for performing a digital signature authentication protocol.

53. (Unchanged) A computer based library and information delivery system for maintaining a plurality of digital information files for delivery over a public network, said library and information delivery system comprising:

a library server coupled to a network, said library server including logic for maintaining a plurality of digital information files, logic for maintaining a correspondence between said plurality of digital information files and information indicative of a player ID, said plurality of digital information files being encrypted using the information indicative of a player ID, and logic for maintaining information indicative of various characteristics of content of said digital information files, said digital information files

being authorized for access by a user having a corresponding player ID.

54. (Unchanged) A computer based library and information delivery system for maintaining a plurality of digital information files for delivery over a public network, said library and information delivery system comprising:

a library server coupled to a network, said library server including logic for maintaining a plurality of digital information files, logic for encrypting said plurality of digital information files using information indicative of a player ID, and logic for maintaining information indicative of various characteristics of content of said digital information files; and

a CDROM generating device for generating a CDROM having at least one of the plurality of digital information files and at least a portion of said information indicative of various characteristics of content of said digital information files.

55. (Unchanged) The computer based library and information delivery system as claimed in Claim 39 wherein said digital information files includes files with primarily textual content.

56. (Unchanged) A computer based library and information delivery system for enabling a user to access and obtain selected digital information files from an external source, said library and information delivery system comprising:

computer system including programming logic for browsing various characteristics of content of said digital information files, logic for selecting one or more

of said digital information files, logic for authorizing access to said selected one or more digital information files, logic for causing the generation of targeted digital information files corresponding to said selected one or more digital information files, said targeted digital information files being targeted using a player ID, and logic for requesting download of said targeted digital information files to said computer system from said external source; and

a mobile device removably connectable to said computer system, said computer system further including logic for downloading a portion or all of said targeted digital information files to said mobile device only if said mobile device corresponds to said player ID, said portion depending on storage space available in said mobile device.

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57. (Unchanged) The computer based library and information delivery system as claimed in claim 56 wherein said digital information files includes files with primarily textual content.

58. (Unchanged) The computer based library and information delivery system as claimed in claim 56 wherein said mobile device further includes a player with a text display device for visually rendering content of said digital information files downloaded to said mobile device.

59. (Unchanged) A computer based library and information delivery system for generating and maintaining a plurality of digital information files, said library and information delivery system comprising:

an authoring system including programming logic for receiving raw digitized data,

logic for transforming said raw digitized data into said plurality of digital information files, and logic for generating information indicative of various characteristics of content of said digital information files; and

a library server coupled to said authoring system including logic for maintaining said plurality of digital information files, and logic for generating targeted digital information files corresponding to said plurality of digital information files and based on a player ID, said digital information files including said information indicative of various characteristics of content of said digital information files and targeted for said player ID upon selection by an authorized user.

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Cm + 60. (Unchanged) The computer based library and information delivery system as claimed in claim 59 wherein said plurality of digital information files includes audio files, spoken audio files, visual image files, text files, video files, multimedia files, programming code files, configuration information files, or any combination thereof.

61. (Unchanged) The computer based library and information delivery system as claimed in claim 59 wherein logic for transforming said raw digitized data into said plurality of digital information files further includes logic for compressing, scrambling, and segmenting said digital information files.

62. (Unchanged) The computer based library and information delivery system as claimed in claim 61 wherein said logic for scrambling said digital information files further includes logic for

generating a descrambling map for descrambling said scrambled digital information files.

63. (Unchanged) The computer based library and information delivery system as claimed in claim 59 wherein said logic for maintaining said plurality of digital information files further includes logic for receiving requests for access to said digital information files and portions of content of said digital information files and logic for authorizing access to and managing delivery of said digital information files and portions of content of said digital information files in response to said requests for access.

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64. (Unchanged) The computer based library and information delivery system as claimed in claim 59 wherein logic for maintaining said plurality of digital information files further includes logic for collecting and storing usage statistics based on access history of said digital information files.

65. (Unchanged) The computer based library and information delivery system as claimed in claim 59 further including an authorization server coupled to said library server for authorizing access to said plurality of digital information files.

66. (Unchanged) The computer based library and information delivery system as claimed in claim 59 wherein said library server is a software process running on several computer systems.

67. (Unchanged) The computer based library and information delivery system as claimed in

claim 59 wherein said library server and said authoring system run on different computer systems.

68. (Unchanged) The computer based library and information delivery system as claimed in claim 65 wherein said library server and said authorization server run on different computer systems.

69. (Unchanged) The computer based library and information delivery system as claimed in claim 59 wherein said targeted digital information files are targeted using a player group ID.

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70. (Unchanged) The computer based library and information delivery system as claimed in claim 59 further including authentication logic for authenticating access to said library server, said authentication logic including logic for performing a point-to-point authentication protocol.

71. (Unchanged) The computer based library and information delivery system as claimed in claim 59 further including authentication logic for authenticating access to said library server, said authentication logic including logic for performing a digital signature authentication protocol.

72. (Unchanged) A computer based library and information delivery system for generating and maintaining a plurality of digital information files for delivery over a public network, said library and information delivery system comprising:

an authoring system including programming logic for receiving raw digitized data and logic for transforming said raw digitized data into a plurality of digital information files; and

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a library server coupled to said authoring system, the library server including logic for maintaining said plurality of digital information files, the library server further including targeting logic for targeting said plurality of digital information files to a particular mobile device.

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73. (Unchanged) The computer based library and information delivery system as claimed in Claim 72 wherein the authoring system further including compression logic for compressing the plurality of digital information files.

74. (Unchanged) The computer based library and information delivery system as claimed in Claim 72 wherein the authoring system further including scrambling logic for scrambling the plurality of digital information files.

75. (Unchanged) The computer based library and information delivery system as claimed in Claim 72 wherein the authoring system further including compression logic for compressing the plurality of digital information files, the authoring system further including scrambling logic for scrambling the plurality of digital information files.

76. (Unchanged) The computer based library and information delivery system as claimed in

Claim 74 wherein the scrambling logic further including logic for scrambling the plurality of digital information files using information indicative of an object identifier.

77. (Unchanged) The computer based library and information delivery system as claimed in Claim 76 wherein the object identifier is a player ID.

78. (Unchanged) The computer based library and information delivery system as claimed in Claim 76 wherein the object identifier is a group ID.

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79. (Unchanged) The computer based library and information delivery system as claimed in Claim 76 wherein the object identifier is a removable media ID.

80. (Unchanged) The computer based library and information delivery system as claimed in Claim 74 wherein the scrambling logic further includes logic for creating a scrambling map.

81. (Unchanged) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for generating a targeted header using information indicative of a player ID corresponding to the particular mobile device.

82. (Unchanged) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for generating a targeted header using a descrambling map encrypted using information indicative of a secret player ID

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corresponding to the particular mobile device.

83. (Unchanged) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using information indicative of a player ID corresponding to the particular mobile device.

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84. (Unchanged) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using a descrambling map encrypted using information indicative of a secret player ID corresponding to the particular mobile device.

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85. (Unchanged) The computer based library and information delivery system as claimed in claim 72 wherein said library server and said authoring system run on different computer systems.

86. (New) A computer based library and information delivery system comprising:
a computer system connectable to a public network, the computer system including:
targeting logic for targeting programming content to a particular mobile device;
and

download logic for downloading the programming content to the particular mobile device; and

a mobile device connectable to the computer system, the mobile device including:

an interface to the computer system for receiving the programming content; and

a player for rendering the programming content to a user.

87. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including authoring logic for authoring programming content, the authoring logic further including compression logic for compressing the programming content.

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88. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including authoring logic for authoring programming content, the authoring logic further including scrambling logic for scrambling the programming content.

89. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including authoring logic for authoring programming content, the authoring logic further including compression logic for compressing the programming content, the authoring logic further including scrambling logic for scrambling the programming content.

90. (New) The computer based library and information delivery system as claimed in Claim 88 wherein the scrambling logic further including logic for scrambling the programming content using information indicative of an object identifier.

91. (New) The computer based library and information delivery system as claimed in Claim 90 wherein the object identifier is a player ID.

92. (New) The computer based library and information delivery system as claimed in Claim 90 wherein the object identifier is a group ID.

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93. (New) The computer based library and information delivery system as claimed in Claim 90 wherein the object identifier is a removable media ID.

94. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for generating a targeted header using information indicative of a player ID corresponding to the particular mobile device.

95. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for generating a targeted header using a descrambling map encrypted using information indicative of a secret player ID corresponding to the particular mobile device.

96. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using information indicative of a player ID corresponding to the particular mobile device.

97. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using a descrambling map encrypted using information indicative of a secret player ID corresponding to the particular mobile device.

98. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the download logic further including logic for downloading the programming content to a mobile device only if the mobile device corresponds to the particular mobile device for which the programming content was targeted.

99. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the player renders the programming content on a mobile device only if the mobile device corresponds to the particular mobile device for which the programming content was targeted.

100. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the mobile device being connectable with the computer system via a wired connection.

101. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the mobile device being connectable with the computer system via a wireless connection.

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102. (New) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is an IR connection.

103. (New) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is a wireless LAN connection.

104. (New) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is a wireless connection via a public network.

105. (New) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is a wireless connection via a telephone network.

106. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the mobile device further includes an interface for removable storage media.

107. (New) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including a local library for local storage of programming content.

108. (New) The computer based library and information delivery system as claimed in Claim 87 wherein the computer system further including a local library for local storage of programming content.

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Cm't 109. (New) The computer based library and information delivery system as claimed in Claim 107 wherein the computer system further including logic for storing pre-authored programming content in the local library, the programming content having been authored by an external agent.

110. (New) A computer based library and information delivery system comprising:
a computer system connectable to a public network, the computer system including:
an authoring system including programming logic for receiving raw digitized data and logic for transforming said raw digitized data into a plurality of digital information files;
a library server coupled to said authoring system, the library server including logic for maintaining said plurality of digital information files, the library server further including targeting logic for targeting access to said plurality of digital information files to a particular mobile device; and

download logic coupled to the library server for downloading the plurality of digital information files to the particular mobile device; and
a mobile device wirelessly connectable to the computer system via a network, the mobile device including:

an interface to the computer system for receiving a download of one or more of the plurality of digital information files; and

a player for rendering one or more of the plurality of digital information files to a user.

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111. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using information corresponding to the particular mobile device.

112. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the authoring system further including compression logic for compressing the plurality of digital information files.

113. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the authoring system further including scrambling logic for scrambling the plurality of digital information files.

114. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the authoring system further including compression logic for compressing the plurality of digital information files, the authoring system further including scrambling logic for scrambling the plurality of digital information files.

115. (New) The computer based library and information delivery system as claimed in Claim 113 wherein the scrambling logic further including logic for scrambling the plurality of digital information files using information indicative of an object identifier.

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116. (New) The computer based library and information delivery system as claimed in Claim 115 wherein the object identifier is a player ID.

117. (New) The computer based library and information delivery system as claimed in Claim 115 wherein the object identifier is a group ID.

118. (New) The computer based library and information delivery system as claimed in Claim 115 wherein the object identifier is a removable media ID.

119. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the download logic further including logic for downloading the plurality of digital information files to a mobile device only if the mobile device corresponds to the particular mobile device for which the plurality of digital information files were targeted.

120. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the player renders the plurality of digital information files on a mobile device only if the mobile device corresponds to the particular mobile device for which the plurality of digital information files were targeted.

121. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the wireless connection is an IR connection.

122. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the wireless connection is a wireless LAN connection.

123. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the wireless connection is a wireless connection via a public network.

124. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the wireless connection is a wireless connection via a telephone network.

125. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further includes an interface for removable storage media.

126. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the computer system further including a local library for local storage of the plurality of digital information files.

127. (New) The computer based library and information delivery system as claimed in Claim 126 wherein the computer system further including logic for storing pre-authored digital information files in the local library, the plurality of digital information files having been authored by an external agent.

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128. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further including decompression logic for decompressing the plurality of digital information files.

129. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further including descrambling logic for descrambling the plurality of digital information files.

130. (New) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further including programming logic for browsing various characteristics of content of said digital information files.

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cncld . 131. (New) The computer based library and information delivery system as claimed in Claim
110 wherein the mobile device further including programming logic for requesting download of
the plurality of digital information files.
